

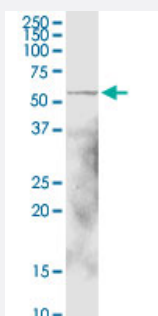
MaxPab®

ALDH1A1 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00000216-D01

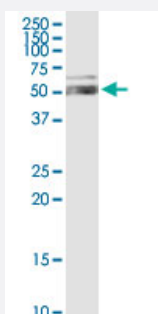
Size 100 uL

Applications



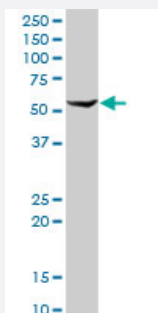
Western Blot (Tissue lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in mouse liver.



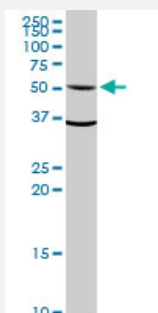
Western Blot (Tissue lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in human liver.



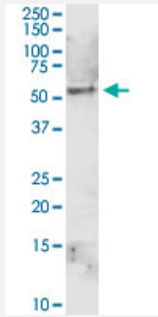
Western Blot (Tissue lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in mouse lung.



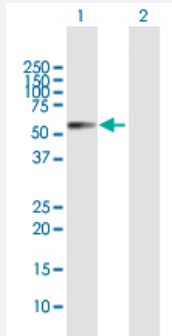
Western Blot (Cell lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in HepG2.



Western Blot (Cell lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in K-562.

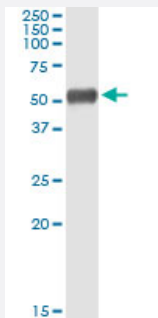


Western Blot (Transfected lysate)

Western Blot analysis of ALDH1A1 expression in transfected 293T cell line ([H00000216-T01](#)) by ALDH1A1 MaxPab polyclonal antibody.

Lane 1: ALDH1A1 transfected lysate(54.9 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of ALDH1A1 transfected lysate using anti-ALDH1A1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ALDH1A1 purified MaxPab mouse polyclonal antibody (B01P) ([H00000216-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ALDH1A1 protein.
Immunogen	ALDH1A1 (NP_000680.2, 1 a.a. ~ 501 a.a) full-length human protein.
Sequence	MSSSGTPDLPVLLTDLKIQYTKIFINNEWHDSVSGKKFPVFNPAEEEEELCQVEEGDKEDVDKAVK AARQAFQIGSPWRTMDASERGRLLYKLADLIERDRLLLATMESMNGGKLYSNAYLNDLAGCIKTLR YCAGWADKIQGRTIPIDGNFFTYTRHEPIGVCGQIIPWNFPLVMLIWKIGPALSCGNTVVVKPAEQTP LTALHVASLIKEAGFPPGVVNIVPGYGPTAGAAISSHMDIDKVAFTGSTEVGKLIKEAAGKSNLKRV TLELGKSPCMLADADLDNAVEFAHHGVFYHQGCCIAASRIFVEESIYDEFVRRSVERAKKYILG NPLTPGVTQGPQIDKEQYDKILDIESGKKEGAKLECGGPGWGNKGYFVQPTVFSNVTDEMRIAK EEIFGPVQQIMKFKSLDDVIKRANNTFYGLSAGVFTKDIDKAITISSALQAGTVWVNCYGVVSAQCP FGGFKMSGNGRELGEYGFHEYTEVKTVTVKISQKNS
Host	Rabbit
Reactivity	Human, Mouse

Interspecies Antigen Sequence	Mouse (87); Rat (86)
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Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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Storage Buffer	No additive
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Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
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Applications

- Western Blot (Tissue lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in mouse liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in human liver.

[Protocol Download](#)

- Western Blot (Tissue lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in mouse lung.

[Protocol Download](#)

- Western Blot (Cell lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Cell lysate)

ALDH1A1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ALDH1A1 expression in K-562.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ALDH1A1 expression in transfected 293T cell line ([H00000216-T01](#)) by ALDH1A1 MaxPab polyclonal antibody.

Lane 1: ALDH1A1 transfected lysate(54.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of ALDH1A1 transfected lysate using anti-ALDH1A1 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with ALDH1A1 purified MaxPab mouse polyclonal antibody (B01P) ([H00000216-B01P](#)).

[Protocol Download](#)

Gene Info — ALDH1A1

Entrez GeneID

[216](#)

GeneBank Accession#

[NM_000689.3](#)

Protein Accession#

[NP_000680.2](#)

Gene Name

ALDH1A1

Gene Alias

ALDC, ALDH-E1, ALDH1, ALDH11, MGC2318, PUMB1, RALDH1

Gene Description

aldehyde dehydrogenase 1 family, member A1

Gene Ontology

[Hyperlink](#)

Gene Summary

This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a cytosolic isoform, which has a high affinity for aldehydes. [provided by RefSeq]

Other Designations

ALDH class 1|acetaldehyde dehydrogenase 1|aldehyde dehydrogenase 1, soluble|aldehyde dehydrogenase 1A1|aldehyde dehydrogenase, liver cytosolic|retinal dehydrogenase 1|retinaldehyde dehydrogenase 1

Pathway

- [Metabolic pathways](#)
- [Retinol metabolism](#)

Disease

- [Alcoholism](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Disease Models](#)
- [Drug Toxicity](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)